PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACT	ION	See Form PCT/IPEA/416			
10303-62177						
International application No.	International filing date (da		Priority date (day/month/year)			
PCT/US05/02807	31 January 2005 (31.01.20	05)	29 January 2004 (29.01.2004)			
International Patent Classification (IPC) or national classification and IPC						
USPC: 165/219,218,220,221,236,50	//04(2006.01); F25B 29/00 (20	06.01) 	·			
Applicant			•			
COMEAUX, VERNAL J						
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.						
2. This REPORT consists	of a total of 🏋 sheets, inclu	ding this cover sheet	t. į			
3. This report is also accord	panied by ANNEXES, com	prising:				
a. (sent to the appli	cant and to the Internationa	l Bureau) a total of	sheets, as follows:			
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relating to the following items:						
Box No. I	Basis of the report					
Box No. 11	Priority					
Box No. III	Non-establishment of opini applicability	on with regard to no	velty, inventive step and industrial			
Box No. IV	Lack of unity of invention	·.				
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step industrial applicability; citations and explanations supporting such statement						
Box No. VI	Certain documents cited		•			
Box No. VII	Certain defects in the interr	national application				
Box No. VIII	Certain observations on the					
Date of submission of the demand	·	Date of completion	n of this report			
29 August 2005·(29.08.2005)		13 June(2008-(13.06.2008)				
Name and mailing address of the IPE	V/ US	Authorizedofficer				
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	•	John K. Ford				
P.O. Box 1450 Alexandria, Virginia 22313-14:		1- (10	200.0071			
Facsimile No. (571) 273-3201		Telephone No. 703-	308-0861			

Form PCT/IPEA/409 (cover sheet)(April 2007)

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

· Iı	nternational application N	Ο.
P	CT/US05/02807	

Во	x No.	I	Bas	sis of the report	
i.	With	reg	ard 1	to the language, this report is based on:	
		_		ernational application in the language in which it was filed.	
	a translation of the international application into English, which is the language of a translation furnished for the				
		pur	·	es of:	
		\vdash		nternational search (under Rules 12.3(a) and 23.1(b))	
				ublication of the international application (under Rule 12.4(a))	
			in	nternational preliminary examination (under Rules 55.2(a) and/or 55.3(a))	
2.	to the	rec	eivin	to the elements of the international application, this report is based on (replacement sheets which have been furnished ang Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not is report):	
		the	inte	ernational application as originally filed/furnished	
	\boxtimes	the	des	cription:	
				as originally filed/furnished	
				NONE received by this Authority on received by the received by t	
	<u>~</u> 3	-		·	
	\bowtie			ims:	
		-		NONE as originally filed/furnished NONE as amended (together with any statement) under Article 19	
				1-3 received by this Authority on 29 August 2005 (29.08.2005)	
•				NONE received by this Authority on	
	\boxtimes	the	dra	wings:	
				1/8-8/8 as originally filed/furnished	
		pag	ges*	NONE received by this Authority on	
		pag	ges*	NONE received by this Authority on	
		a se	eque	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.	
3.	\boxtimes	The	e an	nendments have resulted in the cancellation of:	
		L	J	the description, pages	
		\geq]	the claims, Nos. 5	
]	the drawings, sheets/figs	
•]	the sequence listing (specify):	
•			j	any table(s) related to the sequence listing (specify):	
4.		Thi	s rep	port has been established as if (some of) the amendments annexed to this report and listed below had not been made, ney have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	
)	the description, pages	
]	the claims, Nos.	
]	the drawings, sheets/figs	
]	the sequence listing (specify):	
	•	Γ	j	any table(s) related to the sequence listing (specify):	
5.		Th	is re	port has been established taking into account the rectification of an obvious mistake authorized by or notified to this	
		Au	thor	ity under Rule 91 (Rule 70.2(e)).	
*.				lies, some or all of those sheets may be marked "superseded."	

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US05/02807

·	
· Claims 2, 3, 4, 7, 8, 9 and 11-15	YES
Claims 1-4 and 6-10	NO
Claims 1-4 and 6-15	YES
	NO
CT Article 33(3) as being obvious over Newton in view of Tak (Fig. 2) and plural tanks (Fig. 9). That have a piston 30 these essentially the same thing. To have used this type of tank have been obvious to one of ordinary skill in the art.	at separates the two
e 33(2)-(3), because the prior art does not teach or fairly sugronic air-conditioning system.	gest the series
•	
TArticle 33(4), and thus satisify industrial applicability beca	
	use the subject matter
	use the subject matter
	use the subject matter
	ek (Fig. 2) and plural tanks (Fig. 9). That have a piston 30 these essentially the same thing. To have used this type of tank have been obvious to one of ordinary skill in the art. e 33(2)-(3), because the prior art does not teach or fairly sugground air-conditioning system.

Form PCT/IPEA/409 (Box No. V) (April 2007)

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/US05/02807

Box No. V	II Ce	rtain defect	s in the	international	appl	ication
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The following defects in the form or contents of the international application have been noted:

Claims 10 and 15 (as amended under Article 34) both depend from cancelled claim 5. For purposes of examination both of these claims were assumed to depend from any one of claims 1-4.

Form PCT/IPEA/409 (Box No. VII) (April 2007)